File RFD
16 Jul 64

U. S. ARMY ENGINEER
GEODESY, INTELLIGENCE AND MAPPING RESEARCH AND DEVELOPMENT AGENCY
FORT BELVOIR, VIRGINIA — 22060
781-8500

ADDRESS REPLY TO
DIRECTOR
ATTN: ENGSM-IN

14 July 1964

SUBJECT: Change Detector

16 July 64

TO: Change Detector Project Engineer

It is requested that the following personnel be authorized to visit the [redacted] for the purpose of observing the Change Detector in operation prior to its delivery: 25X1

[redacted] Intelligence Division, GIMRADA 25X1

[redacted] Intelligence Division, GIMRADA 25X1

[redacted] Engineer Research and Development Laboratories 25X1

[redacted] U. S. Geological Survey

Subject to your concurrence, arrangements will be made for this group to make the visit on one day, probably the first week in August. All these ment have TOP SECRET clearance.

[redacted] 25X1

Chief, Intelligence Division

1 July 1964

INSTALLATION ENGINEERING

I. INSTRUMENT

A. Name Change Detector

B. Manufacturer [redacted]

C. Contract Number [redacted]

25X1

II. PHYSICAL FEATURES

A. Number of Component Parts One (Shipped in 3 Units)

B. Dimensions of the Largest Component Part Shipped:
Length 4 Ft. 10 In. Height 6 Ft. 7-3/8 In.
Width 2 Ft. 6 In.

C. Weight of Largest Component Part 1100#

D. Total Weight of Instrument 2200#

E. Overall Dimensions Assembled:
Length 8 Ft. 8½ In. Height 6 Ft. 7-3/8 In.
Width 3 Ft. 9 In.

F. Type of Base of Mount:
Flat _____ Three Point Suspension _____ Four Point Suspension x

G. Does Instrument have built-in mobility? Yes

H. Is the instrument particularly sensitive to vibration? No

I. Are any special or unusual tools or fixtures necessary or adviseable for the installation or maintenance of this equipment? No

III. UTILITIES

A. Electrical:

	AC	DC
Voltage	115 Volts ± 10 Volts	
Current	20 Amps	
Frequency	60 cps	
Nr. of phases	1	
Nr. of wires	2 + Ground	
Power required by equipment	_____ Watts	_____ Watts

Type of outlet required: Two Prong _____, Three Prong _____
Twist Lock x, Permanent Installation _____

Should the equipment be shielded, either from external electromagnetic signals, or to prevent interference with other equipment?
No known interference problems

B. Air Conditioning:
Room temperature 70° ± 10° F Humidity 50% nominal
Output of Instrument 8000 BTU/Hr. Max.
If air must be filtered, what is maximum permissible particle size in microns? Not necessary What particle count? _____ particles per cubic foot.
Direct connection to instrument? Yes _____ No x
If yes to above, what is the desired air temperature to instrument?
_____
Should discharged air be ducted separately? No
Is discharged air noxious? No toxic? NO
Connector size to instrument _____

C. Plumbing:
Is water required for the instrument? Yes _____ No x
Water pressure _____ Flow in GPM _____
Type of water desired:
Tap _____ °F ± _____ °F
Tempered _____ °F ± _____ °F
Deionized _____ °F ± _____ °F
Filtered _____ °F ± _____ °F Particle size and count per unit volume.
Type of pipe required:
Galvanized _____ Copper _____
Stainless Steel _____ Plastic _____
Is floor drain required? Yes _____ No _____
Diameter of drain _____ Galvanized drain _____
Plastic drain _____ Glass drain _____

D. Compressed Air: Not required
Diameter of connectors _____ Type of connectors _____
PSI _____ Water free? _____
CFM _____ Oil free? _____

E. Vacuum: Not required
Is vacuum required? Yes _____ No _____
Vacuum required _____ PSIA or _____ (inches) (millimeters) of Hq
Displacement _____ CFM _____

IV. REMARKS

In the event additional space is required for environmental conditions or utilities not mentioned above, use the reverse side of this form.